## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Heon Lee

Confirmation No. 8817

Serial No. 10/692,612 Filed: October 24, 2003 Examiner Phuc T. Dang Group Art Unit: 2818

For: A METHOD OF MAKING A MAGNETIC TUNNEL JUNCTION DEVICE

Mail stop Issue Fee Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## <u>PETITION UNDER 37 CFR 1.181 TO WITHDRAW HOLDING OF</u> <u>ABANDONMENT</u>

A notice of abandonment was mailed on September 6, 2005. The Notice indicates that application went abandoned because payment of the issue fee was not received.

However, the application is not in fact abandoned, because the issue fee was received by the U.S. Patent and Trademark office prior to the due date of June 2, 2005. The attached fax acknowledgement receipt and Issue Fee Transmittal provide prima facie evidence that payment of the issue fee was received in the U.S. Patent and Trademark Office on March 18, 2005.

No petition fee is required.

Withdrawal of the holding of abandonment is respectfully requested.

Respectfully submitted,

/Hugh Gortler #33,890/ Hugh P. Gortler, Reg. No. 33,890

Hewlett-Packard Company Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400 (949) 454-0898

June 7, 2007

## **Auto-Reply Facsimile Transmission**



TO:

Fax Sender at 6508528063

Fax Information

Date Received:

3/18/2005 3:13:06 PM [Eastern Standard Time]

Total Pages: 1 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received Cover Page =====>

TO ISS		S PARTB-1						•
Complete and send th				Jail Stop ISSU Commissioner fo C.O. Box 1450 Nevandria, Vir 1931 745-4080				
INSTRUCTIONS This for appropriate All forther seen fedicated by the contract of magnetic fedication.	n skum'd bet weed for from	white the ISSUE P	HE MA PUBLICA	JON FEE (If regt maintenance form	will to mailed	through 3 they make rimest sy feature a separat	M be completed to recondence address recondence address	hrent 5 as For
indicated unless contracted to measurement for neitheritary Allegan Core segments A.	elou or directed otherwise i L A market tripe: the tipes I do	in Mack ), by (f) the pything students	ectyring a new cov	late: A nortificate al	motion on a	nir be used for a	entratio muliage A	74.
22619 755	n natra <b>i</b> thi		i R	lote: A vertificale at 10(5) Transcript! The apers. Each softion ive in own conflict	तंत्र स्थानीस्थान क को कृत्यात, ज्ञारके क की विकासीत्र, अ	máni be used fer sa 22 Religion mi brussiús skot,	uny ether accompan- of Petraul Ordwide,	mu.e.
HEWLETT PACE	KARD COMPANY MAE HARMONY R	OAD	1	Co hereby contify that t mics finish Service delivated to the Ma animinates it a US	erificate of Ma Lis Fen(s) Trun	Sing or Transmi maral is being d	puised with the U	ed.
FORT COLLINS, C	PROPERTY AUMINIA	STRATION		encurrence out of the Ma determined to the Ma anumined to the US	1 Step 183UE	FRE eddress at	trafered below	der c
FORT COLLING	J(1 BUJZ)-2-410			<u> 141ba</u>	ESC	ORGI	(Departure) a	
			ł	5/18	105	-		enc)
ASPLICATION NO.	FILING DATE	1111	T NAMED RIVENT	nt	ATTORNEY I		CONTENT ATTENDED	$\equiv$
10/692,612	10-24/2013		New Lex		20020	2975-1	2617	
пита од пиланцож у	METHOD OF MAKING A	MAGNETIC TURNS	al June non De	V,LE				
APPIN. TYPE	IMALL ENTITY	IS SULT FEE		ELECATION PAR	707AL2	egs) were	DATE OUT	_
nemprovisional	ио	SI-IOI		1920	11	7(10)	06/02/2005	
BUM		ART UNIT		430-257000	3			
DANG I Change of corresponder of CFR 1.363).	nddraw as indication of 'Es			-: patent front page,	liga	7		Denny 77
CFR 1.503). Charge of conjugacy of	ence Eddress (of Change of 6 (2) suizehod.	Correspondence   6	(I) the comes of his assents OR, others	to 3 registered para	rnt all'Oracys	LENE	пии п.	Venny 711
Address form PTO/SB/ 3	(2) ausekos. jen (nr "For Address" ludica srancus scottu) auseked. Van	elica fram	(I) the pame of a 4: metagram according	Cale form (having as or agent) and the un- namage or agents. I be printed.	a questaber a goet ell top to l'accomment in	2		
Number & required.								
PLEASE NOTE UNE	en agginere in identified by	Close, no Sections due	and appear of the	e pringe. If an engin	gost it i Bratific	d believe, the doc	ancant has been file	d Dic
(A) NAME OF ASSIGN				SESTATE OR CE				
Hordell-Prokard De	velopment Company, L.P	·.	Houston, Texa		_			
	atili jaco zalogovy ce calago	rica (will now be pulsar	dente pomo).	Distribut <b>D</b>	Consunsianer	ater private grac	war Oswan	mat
		es t	symens of Fun(s):	40 PTO	Boston	I Acet i	* 08 -	2025
4a. The following fee(s) are		ü	A clock in the af	non: or die rie(i) is i	reference.	,		
4a. The following fee(s) are	mell civity discount permits	ص <u>ت</u>	Payresci by ciedi.	ead, Furn PTO-20	M it ansched			
4a. The following feets) are  These Fee  OF Shination Fee (No 2  O Advance Onker F M  1. Chapte in Entiry States	erell crity dissount permite Copies (from states indicated above	en C	Dayun, by ciedi. The Director is hopoth Acceptal Nur	end. Furm PTO-20 mby politicated by lead Of P 21	is it anisobed Share the reg (m	aire I Rod(x), or ex tables on extra sus	rdit erry propipatynic Y of this Erro).	
4a. The following feet(s) at a  These fee  Or Shination Fee (No a  O Advance Order F to  T. Change in Entity States  Le. Applicant depicts St	cred crity discount permite Copies (from states indicated above MALL BATITY series, Sce.	ed) (2) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Thyun, by could The Director is hopoth Accress Nur  b. Applicant to see	eard, Furm PTO-20 cody politicined by local District SA langer elaboring SA	ALL ENTRY	air I dod(x), ar ex cidege en exere exp in har, dem 3/ CFI	rdit any proppyrac y of this arms). : 1.27(g)(2).	rc to
4a. The following feets) are  These Fee  OF Shination Fee (No 2  O Advance Onker F M  1. Chapte in Entiry States	crail civity discount permits Copies (In an entre indicated above MALL BITTITY across Sec- ies expected to yapply the fast within sign Fire (if required) cords on the closest states Fire	ed) (2) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Thyun, by could The Director is hopoth Accress Nur  b. Applicant to see	eard, Furm PTO-20 creby and mired by their Calbridge SM canger clabridge SM canger cla	) & is annualed and the first of the first o	air I fods), or ex close on curs sup sinter, see 37 CFI se to the applicati y or spani; or inc	rdit any proppyrac y of this arms). : 1.27(g)(2).	rc to
da. The following feets) as a blow Fee.  J. Sufficient Feet (No. 2)  J. Change in Entity States  J. Change in Entity  J. Change	Copies  (In an states indicated above MALL BITTITY states. So.  is reported to emply the last states are reported to emply the last and are reported to employ the last are reported to employ the last and are reported to employ the last are reported t	ord) (ide	Transposed by credit The Director is to open to Accress Discovers in the open to Accress Discovers in the open to	end, Furn PTO-20 andry and spired by langer elabosing SAA angest are premise an the appreciant a re-	A to another the report of the	ader 2 Rode), or or or other on our our our or	edit any popingwap y of this form).  1.27(g)(2).  In Henriched shown.  COS	rru, to
da. The following feets) as a blow Fee.  J. Sufficient Feet (No. 2)  J. Change in Entity States  J. Change in Entity  J. Change	Copies  (In an states indicated above MALL BITTITY states. So.  is reported to emply the last states are reported to emply the last and are reported to employ the last are reported to employ the last and are reported to employ the last are reported t	ord) (ide	Transposed by credit The Director is to open to Accress Discovers in the open to Accress Discovers in the open to	end, Furn PTO-20 andry and spired by langer elabosing SAA angest are premise an the appreciant a re-	A to another the report of the	ader 2 Rode), or or or other on our our our or	edit any popingwap y of this form).  1.27(g)(2).  In Henriched shown.  COS	rru, to
da. The following feets) as a blow Fee.  J. Sufficient Feet (No. 2)  J. Change in Entity States  J. Change in Entity  J. Change	Copies  (In an states indicated above MALL BITTITY states. So.  is reported to emply the last states are reported to emply the last and are reported to employ the last are reported to employ the last and are reported to employ the last are reported t	ord) (ide	Transposed by credit The Director is to open to Accress Discovers in the open to Accress Discovers in the open to	end, Furn PTO-20 andry and spired by langer elabosing SAA angest are premise an the appreciant a re-	A to another the report of the	ader 2 Rode), or or or other on our our our or	edit any popingwap y of this form).  1.27(g)(2).  In Henriched shown.  COS	rru, to
da. The following feeting on a blown from the four feet of the common feeting	crail only discuss permits  (then states indicated above MALL DITTITY above Sec.  Sec parted a largely the full  model of the states of the states of the  TOM CHICAL  TOM CHI	ed)  Di CFA LT  DI CFA	The process by credit the Director in Amports According to the Papers According to the Company of the Company o	end, Furn PTO-20 andy and principles and principles and principles and principles and principles and principles are apply the province and the applicant are Registrated or opinion to use. A 19 and principles are applied on the Application and the Application an	M k ansched  Shall Evittey  And Levitey  And	atr 1 hodes, or excess one content of the specific of the spec	dit ony protygracy y of our burns.  1.1.1/g/(2)  In Messignal shows a process of other process of other process or other proc	rru, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20 interpretation of the property of the propert	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or expendence in extra copies to the upplication of the upplication of 1 percentage of the upplication of 1 percentage of the upplication of the upplica	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Tris (James in Coll) and Tris (Tour Fee De Manusco Fee New De Actuaco Color Fee De Marchano Color Fee De De Color Fee De De Color Fee De De Color Fee De De Color Fee De De De Color Fee De D	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	end, Furn PTO-20 andy and principles and principles and principles and principles and principles and principles are apply the province and the applicant are Registrated or opinion to use. A 19 and principles are applied on the Application and the Application an	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or expendence in extra copies to the upplication of the upplication of 1 percentage of the upplication of 1 percentage of the upplication of the upplica	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20 interpretation of the property of the propert	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or expendence in extra copies to the upplication of the upplication of 1 percentage of the upplication of 1 percentage of the upplication of the upplica	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20 interpretation of the property of the propert	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20  interpretation of the property of the proper	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20  interpretation of the property of the proper	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20  interpretation of the property of the proper	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20  interpretation of the property of the proper	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20  interpretation of the property of the proper	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to
to Trisglowing facility as Those The Questionates Fee (New Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Entire States Underwood Order 1925 Concept in Concept in Concept Concept in Concept Concept Concept in Concept Con	could carry the country to the count	ed) Od Or O Con	Payont by credit The Director in Amprile and the Applicant is not the Company of	and, Furn PTO-20  interpretation of the property of the proper	M k ansched  show he rep  ALL ENTRY to  ALL	air 1 hote), or excess one cure one control of the spelling in the spelling is the spelling in	odi un, pro proving y of this terro).  1.2 (g/2).  1.2 (g/2).  1.3 (g/2).  1.4 (g/2).  2.5 (g/2).  2.6 (g/2).  2.7	ers, to



FAX HEADER 1: HP LEGAL FAX HEADER 2:

TRANSMITTED/STORED FILE MODE	: MAR. 18. 2005 OPTION	12:09PM ADDRESS			RESULT	PAGE			
7984 MEMORY TX			USPTO		OK	1/1			
REASON FOR E E 1) H/ E 3) NO	FRROR ANG UP OR LINE D ANSWER	FAIL	E-2) BUSY E-4) NO FAC	DSIMILE CONNECT	rion				
		her with applicable fee(s), to:	P.O. Box 1450 Alexandria, Vir	or Patents ginía 22313-1450					
INSTRUCTI appropriate. Indicated un membrance	ONS: This form should be used All further correspondence inclu- less corrected below or directed fee notifications. Correspondence ADDRESS (Name Uni-	l for transmitting the ISSUE PRE as ding the Patent, advance orders and notherwise in Block I, by (a) specifyln	d PUBLICATION PEE (if requestion of maintenance fees of maintenance fees of maintenance address of mew correspondence address	nired). Blocks I through 5 shou will be inslied to the current cor ; and/or (b) indicating a separate	ld be completed where respondence address as "FEE ADDRESS" for comestic mailines of the				
2287 HEW P O B INTEL	CORRESPONDENCE ADVANCEMENT	022005 PANY MONY ROAD IDMINISTRATION	Fee(s) Transmittal. The papers. Each addition have its own certification.	mailing can only be used for a via certificate cannot be used for all paper, such as an assignment se of mailing or transmission. "rifflease of Wisiling or Transmish his Peo(s) Transmittal is being at with sullivi	any other accompanying or formal drawing, must				
AFFLIC	ATION NO. FILING DA		MED INVENTOR	200209575-1	CONFIRMATION NO.				
APPI	N. TYPE SMALL ENT ovisional NO EXAMENER	AKING A MAGNETIC TUNNEL JU!  11Y 19SQE FEE \$1400  ART UNIT	PUBLICATION FEE  5300  CLASS-SUDCLASS	TOTAL PEE(S) DUE					
Chan, Address	DANG, PHUC T f correspondence address or indicate af correspondence address (or 6 form PTO/SB/122) attached. Address indication (or "Fee Address," and 03-02 or more recent) attacking the required.	Change of Correspondence of ages (2) the	438-257000  Inting on the patent front page, list tomes of up to 3 registered patent attorneys to CR, alternatively, takes of a single lime (having as a member a de stronge of a gent) and the makes of up to red patent attorneys or agents. If no name is o name will be printed.						
3. ASSIGNI Please Teconsii (A) nan	3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CPR 3.11. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Hewlett-Packard Development Company, L.P.  Houston, Texas								
4a. The fall Stasue Drabii	ewing fee(s) are enclosed:	nr permitted) 🛄 Payr	r of Fee(s): HP   TO eck in the amount of the fee(s) is a tent by credit eard, Form PTO-20	Deposit Acet p	# 08-2E	25			
<u>□ a. Ap</u>	- Aller Andrews	saled above)  18tus. See 37 CFR 1.27.	plicant is no longer claiming SM	ALL ENTITY sums. See 37 CFR	1.27(g)(2).				
Transfer on	printed nome Trueu ion of information is required by 3 on. Confidentiality is coverned by	nan H. Den	Date  Registratie ted to obtain or retain a benefit be scollection is regippated to take it	on No. 44, 65.  The public which is to file (and be minutes to complete, including	by the USPTO to pracess) gathering, preparing, and				
submilaing this form at Box 1450, Alexandria, Under the P	the completed application form to december 2, Virginia 22313-1450. Virginia 22313-1450. Vaperwork Reduction Act of 1995,	17 CFR 1.311 The information is requi- 7.5 U.S.C. 122 and 37 CFR 1.14 This de USPTO. Time will vary dependin burden, should be some to the Chief in DO NOT SIND FEES OR COMPLE no persons are required to respond to a	g upon the individual case. Any formation Officer, U.S. Paient in TED PORMS TO THIS ADDRE collection of information unless	comments on the arrount of time of Trademark Office, U.S. Depart SS. SEND TO; Commissioner for it displays a valid OMB control n	you require to complete ment of Communec, P.O. r Patents, P.O. Box 1450, umber.				

OMB 0651-0033 U.S. Patent and Tradomark Office; U.S. DEPARTMENT OF COMMERCE

PTOL-85 (Rev. 12/04) Approved for use through 04/30/2007.

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000

or <u>Fax</u> INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address) 22879 03/02/2005 Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below. HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400 CORAN (Depositor's name 0 (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 200209575-1 10/24/2003 Heon Lee 10/692.612 TITLE OF INVENTION: A METHOD OF MAKING A MAGNETIC TUNNEL JUNCTION DEVICE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE APPLN. TYPE 06/02/2005 \$1400 \$300 \$1700 NO nonprovisional CLASS-SUBCLASS EXAMINER ART UNIT DANG, PHUC T 2818 438-257000 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Trueman H. Denny 711 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03 02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignce is identified below, no assignce data will appear on the patent. If an assignce is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE Hewlett-Packard Development Company, L.P. Houston, Texas ☐ Individual ☐ Corporation or other private group entity ☐ Government Please check the appropriate assignee category or categories (will not be printed on the patent): . Payment of Fee(s): HP PTO Depos 1 Acrt. # 08-2025

A check in the amount of the fee(s) is enclosed. 4b. Payment of Fce(s): 4a. The following fee(s) are enclosed: Issue Fee Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Advance Order - # of Copies 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Date March 2005 Authorized Signature Trueman Denn III Typed or printed name Registration No.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 12/04) Approved for use through 04/30/2007.

OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE